Feedback — Quiz 3

You submitted this quiz on **Fri 22 May 2015 12:46 PM PDT**. You got a score of **16.00** out of **16.00**.

Question 1

Which of the following are motivations for the AIDL and Binder framework, according to the videos (Select all that apply)

Your Answer		Score	Explanation
☐ Enable a client in one process to send a message to a service in another process without mandating a particular concurrency model	✔	0.25	
☑ Enables clients to invoke methods defined by objects residing in another process	✔	0.25	
☐ Enable a client in one thread to send a message to a handler in another thread without mandating a particular concurrency model	✔	0.25	
☑ Alleviate the complexity of manually writing tedious and error-prone (de)marshaling code	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See videos on The Android Interface Definition Language and Binder Framework from week 3

Question 2

Which patterns do(es) the combined AIDL and Binder framework support according to the videos?

Your Answer		Score	Explanation
☑ Broker	✔	1.00	
☐ Publisher/Subscriber	✔	1.00	
☐ Leader/Followers	✔	1.00	
☑ Proxy	✔	1.00	
Total		4.00 / 4.00	

Question Explanation

See videos on The Android Interface Definition Language and Binder Framework from week 3

Question 3

Which of the following are benefits of using two-way asynchronous calls between an Activity and a Bound Service via the AIDL and Binder framework, according to the videos.

Your Answer	Score	Explanation
☐ Optimizes the amount of data exchanged between client and service	✔ 1.00	
☐ Enables the Bound Service to process data it receives in a thread pool	✔ 1.00	
☑ Avoids problems resulting from blocking a client thread during a two-way synchronous method call	✔ 1.00	
☐ Simplifies the client programming model	✔ 1.00	
Total	4.00 / 4.00	

Question Explanation

See videos on The Android Interface Definition Language and Binder Framework from week 3

Question 4

What are the components of a protocol? (Select all that apply)

Your Answer	Score	Explanation
☐ Request Methods	✔	0.20
☑ Syntax	✔	0.20
☑ Timing	✔	0.20
☑ Semantics	✔	0.20
☐ URLs	✔	0.20
Total	1.00 / 1.00	

Question Explanation

See video on What are Communication Protocols? from week #3

Question 5

What is HTTP? (Select all that apply)

Your Answer	Score	Explanation
☐ A communication protocol that is based on a peer to peer model	✔ 0.25	
☑ A communication protocol commonly used by web browsers	✔ 0.25	
☐ A communication protocol that was specifically designed for mobile device communication with the cloud	✔ 0.25	
☑ A communication protocol that is based on a client/server model	✔ 0.25	
Total	1.00 / 1.00	

Question 6

What are some of the reasons that HTTP is commonly used for mobile to cloud communication? (Select all that apply)

Your Answer		Score	Explanation
☐ It is the most space efficient protocol	✔	0.25	
☑ There is significant existing investment and infrastructure for HTTP communication	✔	0.25	
☐ It is the most power efficient protocol	✔	0.25	
☐ It is driven by server-initiated requests	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See video on Why HTTP? from week #3

Question 7

What are HTTP request methods? (Select all that apply)

Your Answer		Score	Explanation
☑ An indication of an action that a client would like the server to apply to a resource	✔	0.25	
☐ Mechanisms that specify exactly what content type the server can return to the client	✔	0.25	
☐ Mechanisms that only allow the client to send meta information to the server	✔	0.25	

☐ Alternative communication protocols to HTTP that a client can use to communicate with a server	✔	0.25
Total		1.00 / 1.00

Question Explanation

See video on HTTP Request Methods from week #3

Question 8

Which of the following are possible components of an HTTP request? (Select all that apply)

Your Answer	Score		Explanation
☑ Headers	✔	0.25	
☑ a Content-type for a body included with the request	✔	0.25	
☑ Request Line	✔	0.25	
☑ a Request Body	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See video on HTTP Request Anatomy from week #3

Question 9

What is URL encoding? (Select all that apply)

Your Answer	Score		Explanation
☐ An encoding mechanism that improves the security of data passed in URLs	✔	0.25	
☑ An alternative representation of certain characters that can	✔	0.25	

be placed in a URL

☐ An encoding mechanism designed to make it possible to pass large files through URL query parameters	✔ 0.25
☐ An alternative naming scheme for resources that is chosen by the client	✔ 0.25
Total	1.00 / 1.00

Question Explanation

See video on URLs & Query Parameters from week #3

Question 10

What is the purpose of the numeric code included in the status line of an HTTP response?

(Select all that apply)

Your Answer	Score	Explanation
☐ To provide an indication of how many headers are included in the response	✔ 0.25	
☑ To provide an indication of what happened when the server processed the request	✔ 0.25	
☐ To provide an indication of how many different content types are included in the response body	✔ 0.25	
☐ To provide an indication of how big the response is	✔ 0.25	
Total	1.00 / 1.00	

Question Explanation

See video on HTTP Response Anatomy from week #3